PATENT COOPERATION TREATY

PCT

TRANSLATION INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

	nt's or agent's file reference 8P08PCT	FOR FURTHER ACTION	See Form PCT/IPEA/416							
	ional application No.	International filing date (day/mon								
PCT/JP2005/003220		18.02.2005	18.02.2004							
International Patent Classification (IPC) or national classification and IPC										
C07H15/04, C07D339/04, G01N27/62, G01N33/547										
Applicant										
JAPAN SCIENCE AND TECHNOLOGY AGENCY										
1.	This report is the international preliunder Article 35 and transmitted to the		ished by this International Preliminary Examining Authority 5.							
2.	This REPORT consists of a total of	4 sh	neets, including this cover sheet.							
3.	This report is also accompanied by A	ANNEXES, comprising:								
	a. (sent to the applicant and	d to the International Bureau) a tota	al of 10 sheets, as follows:							
	sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).									
	sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.									
		Rureau only) a total of (indicate tyr	pe and number of electronic carrier(s))							
	o (sent to the International	Dureun omy) a total of (Indicate typ								
	related thereto, in compute	er readable form only, as indicated	, containing a sequence listing and/or tables in the Supplemental Box Relating to Sequence Listing (see							
	Section 802 of the Adminis	, , , , , , , , , , , , , , , , , , ,								
4.	This report contains indications relat	ing to the following items:								
	Box No. I Basis of the	e report								
	Box No. II Priority									
	Box No. III Non-establ	ishment of opinion with regard to no	novelty, inventive step and industrial applicability							
	Box No. IV Lack of un	ity of invention								
	Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement									
	Box No. VI Certain do									
	Box No. VII Certain def	fects in the international application	ı							
	Box No. VIII Certain obs	servations on the international appli	ication							
Date of	submission of the demand	Date of cor	empletion of this report							
Name a	nd mailing address of the IPEA/JP	Authorized	d officer							
 Facsimi	le No	Talanhana	No							
L acsilli	ICTIO.	Telephone	INU.							

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/JP2005/003220

Box	x No. I]	Basis of the report					
1.	1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.							
	This report is based on translations from the original language into the following language which is the language of a translation furnished for the purposes of:							
		int	ternational search (Rule 12.3 and 23.1(b))					
	Ļ	թս	ublication of the international application (Rule 12.4)				
		int	ternational preliminary examination (Rule 55.2 and	for 55.3)				
2.	With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report):							
			rnational application as originally filed/furnished					
			ription:					
		ages	1-17, 19-64, 66-69, 71-86			as originally filed/furnished		
	p	ages*	18,65,70	received by this Authority on	16.12	.2005		
	p	ages*		received by this Authority on				
	∑ tl	he clain	ns:					
	n	ios	2,6,9			as originally filed/furnished		
	n	os.* _		as amended (togethe	er with an	y statement) under Article 19		
	n	os.* _	3-5,7,8,10	received by this Authority on	16.12	.2005		
	n	os.* _	1	received by this Authority on	11.05	.2006		
	X tl	he draw	vings:					
	sl	heets	fig. 1-23			as originally filed/furnished		
	sl	heets*		received by this Authority on				
	s	heets*		received by this Authority on				
	а	sequer	nce listing and/or any related table(s) – see Supplem	ental Box Relating to Sequence I	_isting.			
3.	Пт	The ame	endments have resulted in the cancellation of:					
	r	\neg	e description, pages					
	Ē							
		the claims, nos.						
	Г	\neg	e drawings, sheets/figs e sequence listing (specify):					
	Ī							
4.	_ 		oort has been established as if (some of) the amend					
			ve been considered to go beyond the disclosure as fi					
	L	th	e description, pages			·		
	Ĺ	th	e claims, nos.					
	L	the drawings, sheets/figs						
		th	e sequence listing (specify):					
	any table(s) related to sequence listing (specify):							
*	If item	4 appli	es, some or all of those sheets may be marked "sup	erseded."				

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International application No.

PCT/JP2005/003220

Вох			ticle 35(2) with regard to novelty, inventive step or industrial applicability; pporting such statement	
1.	Statement			
	Novelty (N)	Claims	1-10	YES
		Claims		NO
	Inventive step (IS)	Claims		YES
		Claims	1-10	NO
	Industrial applicability (IA)	Claims	1-10	YES
		Claims		NO

2. Citations and explanations (Rule 70.7)

Citations

Document 1: JP 2003-83969 A (Japan Science and Technology Corp.), 19 March 2003

Document 2: JP 11-512518 A (Pharmacia Biosensor m, A. B.), 26 October 1999 & WO 97/09608 A1 & US 5955729 A & EP 850407 A1

Explanations

Document 1 discloses a linker compound that is capable of affixing a saccharide to a support for analyzing proteins (e.g., a surface plasmon resonance chip or the like) in a single stage; a ligand that employs said linker compound; and a support for analyzing proteins, which is obtained by affixing said ligands upon the surface of a support member. On the other hand, the inventions set forth in the present international application differ from the invention disclosed in document 1 with regards to the type of saccharide that is affixed thereto. However, the saccharides with a reducing terminal that are employed in the inventions set forth in the present application are well known, and the saccharide that bonds to the aromatic amino group (i.e.,

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Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

one moiety of the linker compound) in the invention disclosed in document 1 is a glucose, which is to say a sugar that has a reducing terminal. Such being the case, it is not considered to require significant creative ability for a person skilled in the art to conceive of configuring so that the saccharide in the invention disclosed in document 1 is a well-known saccharide that has a reducing terminal; consequently, the inventions set forth in claims 1 to 9 do not involve an inventive step.

In addition, document 2 discloses a feature wherein the sample is subjected to a mass spectrometry analysis subsequent to the completion of the surface plasmon resonance measurements; consequently, the invention set forth in claim 10 does not involve an inventive step.